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*AMSAT *News Service*ANS-215*
August 3, 2025

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The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on https://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

AMSAT Symposium Call for Papers & Presentations

Proposals for Symposium papers and presentations are invited on any topic of interest to the amateur satellite community. We request a tentative title of your paper or presentation as soon as possible, with final copy submitted by October 8th for inclusion in the Symposium *Proceedings*.

Proposals for presentations at the Symposium do not require a paper. Presentations will be recorded and made available on AMSAT's YouTube Channel <https://www.youtube.com/@AMSATNA> and transcribed and published with its slides in the *Proceedings*.

Proposals should be sent to Frank Karnauskas, N1UW via f.karnauskas(a)amsat.org

[ANS thanks AMSAT for the above information]

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<https://www.amsat.org/product/amsat-remove-before-flight-keychain/>*

AMSAT-UK Tests FM Transponder for Jovian-1 Satellite

David Bowman, G0MRF, reports a successful on-air test of the AMSAT-UK U/V FM transponder has been carried out.

Destined for the 6U Jovian-1 satellite, this mode U/V FM transponder had its first on-air test on Thursday, July 24, 2025.

A 70cm 20 watts ERP signal was transmitted over a distance of 59 km with a path loss of -150 dB and received by the FM transponder on a QFH antenna. The signal was re-transmitted on 145.895 MHz. The first contact was between Mike Willis, G0MJW, and Graham Shirville, G3VZV.

AMSAT-UK U/v FM Transponder

[
Transponder test site

[ANS thanks AMSAT-UK for the above information]

The 2025 AMSAT President’s Club Coins Are Here!
Celebrating the 40th Anniversary of Amateur Radio on Human Spaceflight
*Help Support GOLF and Fox Plus.**Join
<https://www.amsat.org/join-the-amsat-presidents-club/> the AMSAT
President’s Club today!*

AO-123 FM Transponder to Enter Continuous Service

The FM transponder on AO-123 has been activated on periodic basis since its launch in late 2024. Beginning this weekend, it is expected to enter continuous service if no issues are observed.

AO-123 (ASTRU-1) is a 12U Cubesat mission designed by Russian and Chinese university students for education and amateur radio. The amateur radio station provides telecommand uplink and telemetry / digital image downlink.

A new SDR based transceiver was developed for ASRTU-1 to provide communication and experiment resources to radio amateurs, including a V/U FM transponder, a UHF telemetry downlink and a 10.5G image downlink.

The uplink is 145.850 MHz with a 67 Hz CTCSS tone and the downlink is 435.400 MHz.

[ANS thanks the AO-123 team for the above information]

HamTV Installed On ISS

On July 29th, Jonny Kim installed the repaired HamTV module in the ISS's Columbus module. Originally operational from mid-2015 until its failure in 2018, the repaired module was returned to the ISS earlier this year.

Shortly after installation, reports of successful carrier reception were received from Europe. Carrier transmission is expected to continue for a few days.

HamTV transmits live MPEG-2 video using a DVB-S signal on 2395 MHz, primarily for educational contacts.

[ANS thanks ARISS for the above information]

NOAA-15 and NOAA-19 to be Decommissioned

NOAA has announced the decommissioning <https://www.ospo.noaa.gov/operations/messages.html> of NOAA-15 and NOAA-19. NOAA-15 will be decommissioned on August 12, 2025 and NOAA-19 will be decommissioned on August 19, 2025.

These two remaining satellites in the NOAA Polar Operational Environmental Satellites (POES) Constellation are far beyond their primary mission design life. All have incurred subsystem and instrument degradation or failures and have entered a "twilight phase" where failure modes are increasingly likely. NOAA has completed End of Life (EOL) testing activities for NOAA-15 and NOAA-19 and will commence the decommission process shortly. NOAA-18 had previously been decommissioned on June 6, 2025 at 1740 UTC.

Many amateur satellite enthusiasts have copied the APT weather data from NOAA's POES satellites over the years. With a strong signal at 137 MHz, these satellites have served as a gateway to satellite reception. The decommissioning of these satellites represents an end of an era.
NOAA 19 at 18 Jun 2021 01:14:11 GMT - APT recorded on 137.100 MHz

[ANS thanks NOAA for the above information]

GridMasterMap Satellite Top 100 Rovers August 2025 Rankings

The August 2025 rankings for the Top 100 Rovers (Mixed LEO/MEO/GEO) in satellite operations, as determined by @GridMasterMap <https://x.com/GridMasterMap> on Twitter, has been released. The ranking is determined by the number of grids and DXCC entities activated, taking into account only those grids where a minimum number of QSOs logged on the gridmaster.fr website have been validated by a third party. Grid numbers do not directly reflect the exact number of activations. Satellite operators are encouraged to upload their LoTW satellite contacts to https://gridmaster.fr in order to provide more accurate data.

Updated: 2025-08-01
1 ND9M 26 KX9X 51 KE0WPA 76 KM4LAO
2 NJ7H 27 DJ8MS 52 KE0PBR 77 VE7PTN
3 UT1FG 28 KG5CCI 53 JK2XXK 78 N4UFO
4 JA9KRO 29 ON4AUC 54 PR8KW 79 PT2AP
5 N5UC 30 N5BO 55 EB1AO 80 AA8CH
6 DL6AP 31 K8BL 56 XE1ET 81 VE1VOX
7 OE3SEU 32 KE4AL 57 LU4JVE 82 FG8OJ
8 DP0POL 33 KB5FHK 58 W7WGC 83 PT9BM
9 F5VMJ 34 AC0RA 59 EA4NF 84 YU0W
10 WI7P 35 PA3GAN 60 N6DNM 85 KI7UXT
11 K5ZM 36 JO2ASQ 61 SM3NRY 86 N6UTC
12 LU5ILA 37 F4BKV 62 W8LR 87 KJ7NDY
13 N6UA 38 VE3HLS 63 KI7QEK 88 AF5CC
14 W5PFG 39 KI0KB 64 W1AW 89 K0FFY
15 N9IP 40 VA3VGR 65 AA5PK 90 JM1CAX
16 WY7AA 41 KI7UNJ 66 VE1CWJ 91 PS8BR
17 HA3FOK 42 HJ5LVR 67 KE9AJ 92 W8MTB
18 DL2GRC 43 LA9XGA 68 F4DXV 93 KB2YSI
19 AK8CW 44 BG7QIW 69 DL4EA 94 N4DCW
20 AD0DX 45 N7AGF 70 AD7DB 95 KG4AKV
21 N4AKV 46 VK5DG 71 SP5XSD 96 WD5GRW
22 AD0HJ 47 DF2ET 72 N8RO 97 DK9JC
23 ND0C 48 K7TAB 73 M1DDD 98 N0TEL
24 BA1PK 49 JL3RNZ 74 VA7LM 99 VE3GOP
25 WD9EWK 50 XE3DX 75 HB9GWJ 100 WA9JBQ

[ANS thanks @GridMasterMap <https://x.com/GridMasterMap> for the above information]

VUCC Satellite Standings for August 1, 2025

VUCC Satellite Award/Endorsement Change Summary for July 01, 2025 to August 01, 2025.

Call	*1-Jul*	*1-Aug*
K8DP	1738	1750
S57NML	1028	1500
EA2AA	1085	1100
W8LR	910	911
W9FF	545	558
AG4W	438	524
JH1NHK	440	500
N6PAZ	479	495
KE7RTB	300	338
K5WO	270	304
OH3DP	176	226
NK0S	170	171
N0RC	151	170
KT8O	100	153
W5HI	New	150
KG5IPA	New	135
9V1EO	New	133
WB5TX	110	128
DM2RM	New	115
WI5D	New	100

Congratulations to the new VUCC Satellite holders.

KG5IPA is first VUCC Satellite holder from DM61
9V1EO is first VUCC Satellite holder from Singapore and OJ11
DM2RM is first VUCC Satellite holder from JO63

[ANS thanks Jon Goering, N7AZ, for the above information]

DXCC Satellite Standings for August 1, 2025

DXCC Satellite Award/Endorsement Change Summary for July 01, 2025 to August 01, 2025.

Call	*1-Jul*	*1-Aug*
F6BKI	209	211
MI0ILE	125	200
YO2CMI	184	185
OG7D	166	176
YO3APJ	165	170
EA2AA	161	162
SP3AU	144	149
IK7FMQ	130	141
DL2QB	136	139
JH4UYB	125	126
CT1EEB	112	113
I4DOR	101	109
DG7RO	103	104

[ANS thanks Jon Goering, N7AZ, for the above information]

Changes to AMSAT TLE Distribution for August 1, 2025

Two Line Elements or TLEs, often referred to as Keplerian elements or keps in the amateur community, are the inputs to the SGP4 standard mathematical model of spacecraft orbits used by most amateur tracking programs. Weekly

updates are completely adequate for most amateur satellites. TLE bulletin files are updated daily in the first hour of the UTC day. New bulletin files will be posted immediately after reliable elements become available for new amateur satellites. More information may be found at https://www.amsat.org/keplerian-elements-resources/ <https://www.amsat.org/keplerian-elements-resources/>.

This week there are no additions or deletions to the AMSAT TLE distribution.

[ANS thanks Joe Fitzgerald, KM1P, AMSAT Orbital Elements Manager, for the above information]

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*Need new satellite antennas? Purchase an M2 LEO-Pack from the **AMSAT Store! <https://amsat.org/product-category/hardware/>**When you purchase through **AMSAT, a portion of the proceeds goes towards **Keeping Amateur Radio in Space.*

ARISS News

Amateurs and others around the world may listen in on contacts between amateurs operating in schools and allowing students to interact with astronauts and cosmonauts aboard the International Space Station. The downlink frequency on which to listen is 145.800 MHz worldwide.
Scheduled Contacts

Sultanov International Aerospace School, Republic of Bashkortostan, Russia, direct via TBD

The ISS callsign is presently scheduled to be RSØISS
The scheduled crewmember is Sergey Ryzhikov
The ARISS mentor is RV3DR

Contact is go for Mon 2025-08-11 07:45 UTC (***)

Many times a school may make a last minute decision to do a Livestream or run into a last minute glitch requiring a change of the URL but we at ARISS may not get the URL in time for publication. You can always check https://live.ariss.org/ to see if a school is Livestreaming.

As always, if there is an EVA, a docking, or an undocking; the ARISS radios are turned off as part of the safety protocol.

The crossband repeater continues to be active (145.990 MHz up {PL 67} & 437.800 MHz down), If any crewmember is so inclined, all they have to do is pick up the microphone, raise the volume up, and talk on the crossband repeater. So give a listen, you just never know.

Note, all times are approximate. It is recommended that you do your own orbital prediction or start listening about 10 minutes before the listed time.

The latest information on the operation mode can be found at https://www.ariss.org/current-status-of-iss-stations.html

The latest list of frequencies in use can be found at https://www.ariss.org/contact-the-iss.html

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors for the above information]

Want to fly the colors on your own grid expedition?
Get an AMSAT car flag and other neat stuff from our Zazzle store

<https://www.zazzle.com/store/amsat_gear>!
25% of the purchase price of each product goes towards Keeping Amateur Radio in Space

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AMSAT Ambassador Activities

AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

AMSAT Ambassador Clint Bradford, K6LCS, says,

"Think a 75-minute presentation on "working the easy satellites" would be appropriate for your club or event? Let me know by emailing me at k6lcsclint (at) gmail (dot) com or calling me at 909-999-SATS (7287)!"

Clint has NEVER given the exact same show twice: EACH of the 150+ presentations so far has been customized/tailored to their audiences.
Scheduled Events

August 16-17, 2025
Huntsville Hamfest 2025
Von Braun Center South Hall
700 Monroe St. SW
Huntsville, AL 35801

August 21-24, 2025

*Northeast HamXposition (HamX) & New England ARRL Convention*Best Western Royal Plaza & Trade Center
181 Boston Post Road W
Marlborough, MA 01752
http://www.HamX.org <http://www.hamx.org/>
W1EME, WD4ASW, WB1FJ

September 6, 2025
Greater Louisville Hamfest
Paroquet Springs Conference Centre
395 Paroquet Springs Drive
Shepherdsville, KY 40165
W4FCL

*October 16, 17, 18, 19, 2025AMSAT Board of Directors Meeting and 43rd Annual AMSAT Space Symposium & Annual General Meeting*Holiday Inn & Suites Phoenix Airport North
1515 North 44th Street
Phoenix, Arizona 85008
Details at https://www.amsat.org/2025-symposium/

Interested in becoming an AMSAT Ambassador? AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

For more information go to: https://www.amsat.org/ambassador/ <https://www.amsat.org/ambassador/>

[ANS thanks Bo Lowrey, W4FCL, Director – AMSAT Ambassador Program, for the above information]

Satellite Shorts from All Over

+ The JARL command station for FO-29 plans to activate FO-29's linear transponder at the following times. The satellite will remain active from the listed times until the satellite's undervoltage control switches off the transponder (thanks to JARL):

Aug 1 23:44
Aug 3 00:34
Aug 9 00:18 23:23
Aug 16 00:52 23:57
Aug 30 00:16 23:21

+ The SpaceX Crew-11 mission to the ISS launched on August 1st. The crew includes three amateur radio operators: Mike Fincke, KE5AIT, Zena Cardman, KJ5CMN, and Kimiya Yui, KG5BPH. Included in the cargo is HDMI adapters to enable HamTV to utilize more cameras aboard the ISS. (Thanks to NASA, SpaceX, and ARISS).

Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

- Societies (a recognized group, clubs or organization).
- Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
- Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
- Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor,

Paul Stoetzer, N8HM
n8hm [at] arrl.net <http://arrl.net>

ANS is a service of AMSAT, the Radio Amateur Satellite Corporation, 712 H Street NE, Suite 1653, Washington, DC 20002